

Claims

1. Pipe construction kit for a sewer pipeline (1),
 - with several pipes (2), made of plastic, having a circular cross-section,
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 - with, in each case, a shaft base body (5) to be arranged between two pipes (2) and to be connected with said pipes (2) by means of sockets (6),
 - with, in each case, a shaft (9), which has a circular cross-section, to
10 be connected with the shaft base body (5),
 - whereby the shaft base body (5) exhibits a central connection section (12) and, on both sides on said connection section (12), pipe sections (13) with a circular cross-section for connection with the pipes (2), and
 - 15 - whereby the connection section (12) exhibits a supporting surface (17) and, diametrically opposite said supporting surface (17), a connection element (18) for the shaft (9).
2. Pipe construction kit according to claim 1, **characterised in that** the
20 diameter (D) of the shaft base body (5) is larger than the diameter (d) of the shaft (9).
3. Pipe construction kit according to claim 2, **characterised in that** for the diameter (d) of the shaft (9) the following applies with respect to
25 the diameter (D) of the shaft base body (5): $0.1 D \leq d \leq 0.8 D$.
4. Pipe construction kit according to claim 1, **characterised in that** the supporting surface (17) is formed on a foot (16) of the connection section (12).

5. Pipe construction kit according to one of claims 1 to 4, **characterised in that** the connection section (12) exhibits approximately a horseshoe cross-section.
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6. Pipe construction kit according to one of claims 1 to 5, **characterised in that** laterally between the supporting surface (17) and the connection element (18) for the shaft (9) there is formed at least one connection element (21, 22) for a sewage connection pipe (25).
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7. Pipe construction kit according to claim 6, **characterised in that** for the diameter (b) of the at least one connection element (21, 22) for a sewage connection pipe (25) the following applies with respect to the diameter (D) of the shaft base body (5):
- 15 $0.05 D \leq b \leq 0.4 D$.
8. Pipe construction kit according to one of claims 1 to 7, **characterised in that** the connection element for the shaft (9) is designed as a shaft connection surface (18).
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9. Pipe construction kit according to claim 6 or 7, **characterised in that** the at least one connection element for the sewage connection pipe (25) is designed as a feed connection surface (21, 22).
- 25 10. Pipe construction kit according to one of claims 1 to 9, **characterised in that** the shaft base body (5) is designed as a composite pipe with a corrugated outer pipe section (14, 14').

11. Pipe construction kit according to one of claims 1 to 10, **characterised in that** the shaft (9) is designed as a composite pipe with external corrugations.
- 5 12. Method for manufacturing a shaft base body (5) according to one of claims 1 to 11, **characterised in that** the shaft base body (5) is manufactured inline.